





GENERAL

The Ammo Breakdown Building provides space for breaking down and issuing ammunition to the personnel involved in range training exercises. A canopy is provided at one of the issuing windows to protect personnel during periods of inclement weather. The enclosed area required for the ammunition breakdown building is 11 square meters (120 square feet).

This standard definitive design should be adapted to local conditions such as climate, available construction materials and techniques, topography, seismic zone and the existing character of surrounding buildings. These factors may affect plans, elevations and building systems. The building foundation must be designed based on the results of a geotechnical

REFERENCE CRITERIA

The design and construction must comply with applicable codes and standards including: technical instruction T1800-01, "Design Criterio": Department of the Army regulations, technical manuals, handbooks, standards, and specifications.

FUNCTIONAL REQUIREMENTS

All dimensions not labeled are in millimeters. Issuing windows are hollow metal door panels secured with flush bolts and overlapping astrogals. Windows have forced entry resistant metal frames. Gutters, downspouts and splash blocks should be provided where required by climatic conditions. Ice guards may be necessary in northern climates. Ceilings should be finished. The Ammo Breakdown Building is accessed only by able-bodied personnel and does not require ADA compliance unless dictated by local criteria.

MECHANICAL

No mechanical systems are required for this facility.

ELECTRICAL

The Ammo Breakdown Building shall be served by 120/240V, 1 phase, 3-wire secondary power. Rigid Steel conduit shall extend a minimum of 1524mm (5') outside the building for power circuits entering and leaving the building. Voltage drop shall comply with standards in NEC and Army Technical Manuals. Grounding will be installed in accordance with NFPA 70, the National Electrical Code, and other applicable standards.

The panel board shall be 120/240V single phase mounted inside building. Illumination levels will be designed in accordance with IES. Interior lighting shall consist of white incandescent fixtures at a level of 20 foot-candles. Incandescent fixtures with red lamps on separate switching shall be placed near each white incandescent lamp. Incandescent fixtures shall be gasket, vapor-proof enclosed with guard. Exterior white and red lighting shall be provided with separate switching located near the points of egress.

A telephone system is not required.

Lightning protection in accordance with NFPA 780 and UFC 3-570-01 and DA PAM 385-64 is required for this building.

FIRE PROTECTION

Fire protection is not required per fire codes for this building. Consult installation Fire Marshall for compliance with local laws.





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SUPPORT CENTER, HINTSVILE HINTSVILE, ALABAMA		15 MAY 2007	

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